



SCHEMATIC
COBRA 28
 488-095-9-001

NOTE
 All resistors are in ohms and 1/8W unless otherwise noted.
 All mylarfilm capacitors indicated as 0.033, etc. are in μ F.
 All ceramic and polystyrene capacitors indicated as 4700 etc. are in PF.

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
CAPACITORS & TRIMMERS		
C8	Ceramic NPO 1pF, 50V	.031-030-9-001
C13, 54, 55	Ceramic NPO 2pF, 50V	.031-030-9-002
C6, 11	Ceramic NPO 5pF, 50V	.031-030-9-003
C50	Ceramic NPO 7pF, 50V	.031-030-9-004
C17, 51	Ceramic NPO 10pF, 50V	.031-030-9-005
C36, 37, 41, 48	Ceramic N220 47pF, 50V	.030-088-9-002
C65	Ceramic N220 68pF	.020-088-9-001
C40, 47, 68, 69	Ceramic N220 100pF, 50V	.020-088-9-003
C105, 106	Ceramic N470 180pF, 50V	.020-088-9-005
C107, 108	Ceramic N750 470pF, 50V	.020-088-9-011
C81, 87, 103, 104	Ceramic YW 470pF, 50V	.020-088-9-006
C1, 4, 5, 7, 9	Ceramic YR 2200pF, 50V	.020-088-9-007
25, 34, 43, 61		
70, 78, 82, 88		
C2, 10, 12, 14, 16, 23	Ceramic YR 4700pF, 50V	.020-088-9-008
29, 30, 31, 32, 33, 38		
39, 42, 49, 52, 53, 56	Ceramic Variable 30pF, 50V	.025-060-9-002
57, 58, 59, 60, 64, 66		
90, 94, 95, 96, 97, 98		
99, 109, 110	Ceramic YR 10000pF, 50V	.020-088-9-009
C26, 74, 75, 84		
C63	Ceramic Variable 30pF, 50V	.025-060-9-002
C102		
C85	Mylar Film 0.01 μ F, 50V	.025-060-9-001
C18, 19, 24, 44, 77	Mylar Film 0.033 μ F, 50V	.025-060-9-003

COMPOSITE
499-032-9-001

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
MISCELLANEOUS		
K1	Relay 4C-2P	.441-006-9-001
M1	DC Ammeter 200 μ A	.320-035-9-001
MK1	Dynamic Microphone	.562-003-9-001
PL1, 3, 4	Indicator Lamp	.400-022-9-001
PL2	Indicator Lamp	.400-022-9-002
SP1	Speaker 2 $\frac{1}{2}$ " 0 Ohms	.580-009-9-001
U1	Ceramic Filter	.140-006-9-001
	Knob for channel switch	.751-082-9-001
	Knob for volume, delta tune and squelch	.751-082-9-002
	Channel indicator	.380-153-9-001
	Sub panel for volume and squelch	.754-015-9-001
	Sub panel for channel switch and delta tune	.254-015-9-002
	Speaker holder	.251-088-9-001
	Kit, Screws and nuts	.763-015-9-001
	Meter Holder	.251-089-9-001

NOTE: Standard value resistors and capacitors are not listed, values may be obtained from schematic diagram.

Minimum charge \$5.00 per invoice. Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover postage or express charge.

Specify serial number when ordering replacement parts.

COBRA 28 PARTS LIST

530-028-0-000

SCHEMATIC SYMBOL	DESCRIPTION	DYNASCAN PART NO.
RESISTORS, CONTROLS, AND THERMISTORS		
R102	Semi-Fixed 1K Ohms	.008-158-9-001
R48	Semi-Fixed 20K Ohms	.008-158-9-002
R19	Semi-Fixed 100K Ohms	.008-158-9-003
R73	Semi-Fixed 200K Ohms	.008-158-9-004
R51	Variable 5K Ohms	.008-158-9-005
R38	Variable 20K Ohms	.008-158-9-006
R88	Variable 50K Ohms	.008-158-9-007
R69	Thermistor D22A	.004-099-9-001
R49	Thermistor D33A	.004-099-9-002
CAPACITORS & TRIMMERS		
C3	Mylar Film 0.1 μ F, 50V	.025-060-9-000
C73, 91	Tantalum 33 μ F, 50V	.027-005-9-000
C100, 101	Electrolytic 1 μ F, 16V	.022-076-9-000
C15, 21, 27, 68	Electrolytic 3.3 μ F, 16V	.022-076-9-002
C35, 36, 71, 71	Electrolytic 10 μ F, 16V	.022-076-9-003
C45	Electrolytic 33 μ F, 6.3V	.022-076-9-004
C28, 46, 83, 83	Electrolytic 33 μ F, 16V	.022-076-9-005
C92	Electrolytic 100 μ F, 19V	.022-076-9-006
COILS, CHOKES, AND TRANSFORMERS		
T1	RF Transformer L1640	.066-013-9-000
T2, 3	RF Transformer L1941	.066-013-9-001
T4, 5	RF Transformer L1943	.066-013-9-002
T6	IF Transformer D10764	.060-010-10-9-000
T7	IF Transformer D10765	.060-010-10-9-001
T8	IF Transformer D10766	.060-010-10-9-002
T9	IF Transformer D10753	.060-010-10-9-003
T10	RF Transformer L1645	.066-013-9-004
T11	RF Transformer L1644	.066-013-9-005
T12	RF Transformer L1503	.066-013-9-006
T13	RF Transformer L1504	.066-013-9-007
T14	RF Transformer L1500	.066-013-9-008
T15, 16	RF Transformer L1505	.066-013-9-009
T17	RF Transformer L1511	.066-013-9-010
T18	RF Transformer L1512	.066-013-9-011
T19	AF Driver Transformer	.068-005-9-001
T20	AF Output Transformer	.061-017-9-001
L1	Delta Tune L1646	.044-025-9-001
L2, 3	RF Choke Coil L1122	.042-009-9-001
L4	RF Output L1101	.044-025-9-002
IC1	TA7061P	.307-007-9-000
IC2	TA7062P	.307-007-9-001
DIODES, TRANSISTORS, AND INTEGRATED CIRCUIT		
Q1, 4, 5, 6, 7	2SC372 Silicon NPN	.176-029-9-000
9, 10, 11, 12		
13, 14, 15, 19		
26, 29, 30, 31		
32, 33, 34, 35		
36, 37, 38, 39		
40, 41, 42, 43		
DIODES, TRANSISTORS, AND INTEGRATED CIRCUIT		
Q3	2SC784 Silicon NPN	.176-026-9-000
Q2	2SK19 FET	.182-009-9-001
Q8, 21	2SA495 PNP Silicon	.177-006-9-001
Q16	2SC735 NPN Silicon	.176-031-9-001
Q17	2SC482 NPN Silicon	.176-029-9-002
Q18	2SC517 NPN Power Silicon	.172-009-9-001
Q22, 23	2SC732 NPN Silicon	.176-031-9-002
Q24, 25, 27	2SD235 Power	.172-010-9-001
Q20, 28	2SA562 PNP Small Signal	.177-006-9-002
CD1, 5, 6, 11		
12, 16, 17		
22, 23, 24		
25, 26, 27		
28, 29, 30, 32		
CD2, 3	IS2091	.151-030-9-002
CD4	1N60	.150-001-9-005
CD21, 31	S3004-1715	.151-030-9-003
CD7	IS1658	.151-030-9-004
CD13, 14, 15, 19, 20	IS1885	.151-030-9-005
CD9, 10, 18	S3016R	.151-030-9-006
CD8	S3004-1718	.151-031-9-001
CRYSTALS		
X1	Crystal 16.965 MHz	.133-002-9-001
X2	Crystal 17.015 MHz	.133-002-9-002
X3	Crystal 17.065 MHz	.133-002-9-003
X4	Crystal 17.115 MHz	.133-002-9-004
X5	Crystal 17.165 MHz	.133-002-9-005
X6	Crystal 17.215 MHz	.133-002-9-006
X7	Crystal 9.545 MHz	.133-002-9-007
X8	Crystal 9.555 MHz	.133-002-9-008
X9	Crystal 9.565 MHz	.133-002-9-009
X10	Crystal 9.585 MHz	.133-002-9-010
X11	Crystal 10.000 MHz	.133-002-9-011
X12	Crystal 10.010 MHz	.133-002-9-012
X13	Crystal 10.020 MHz	.133-002-9-013
X14	Crystal 10.040 MHz	.133-002-9-014
SWITCHES		
SI, 2, 5, 6	Slide Switch 4C-2P	.084-023-9-001
S3	Rotary Switch 24 steps	.083-121-9-001